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GenCore version 4.5

OM protein - protein search, using sw model

Run on: January 8, 2002, 22:26:00 ; Search time 22.62 Seconds (without alignments)

Sequence: 1 MASPLPQGDCSQOIDHSHV.....NSGAKPANSAAENGFOQEHEV 453 450.663 Million cell updates/sec

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% ; Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_MN:\*

1: /cgn2\_6\_ptodata/2/1aa/5A\_COMB\_pep:\*

2: /cgn2\_6\_ptodata/2/1aa/5A\_COMB\_pep:\*

3: /cgn2\_6\_ptodata/2/1aa/6A\_COMB\_pep:\*

4: /cgn2\_6\_ptodata/2/1aa/6B\_COMB\_pep:\*

5: /cgn2\_6\_ptodata/2/1aa/Backfilesl.pep:\*

6: /cgn2\_6\_ptodata/2/1aa/Backfilesl.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match Length	DB	ID	Description
1	419	18.0	416	3	US-08-858-876A-4	RESULT 1
2	419	18.0	416	4	US-08-858-876A-4	Sequence 4, Application US/08858876A
3	404	17.3	410	3	US-08-99472-8860-4	Patent No. 6022856
4	404	17.3	410	4	US-09-472-8860-2	GENERAL INFORMATION:
5	403.5	17.3	353	5	PCT-US93-08524-45	APPLICANT: Daniel CAPUT
6	370.5	15.9	319	3	US-09-832-399-2	APPLICANT: Pascale CHALON
7	370.5	15.9	4	US-09-372-498-2	APPLICANT: Pascal FERRARA	
8	310	13.3	353	4	US-09-077-675A-3	APPLICANT: Vira NATALIO
9	308	13.2	364	4	US-09-077-675A-16	TITLE OF INVENTION: Type 2 Neurotensin Receptor
10	299	12.8	366	4	US-09-077-675A-8	TITLE OF INVENTION: (INT-R2)
11	299	12.8	302	4	US-09-077-675A-2	NUMBER OF SEQUENCES: 12
12	287.5	12.3	302	4	US-09-077-675A-7	CORRESPONDENCE ADDRESS:
13	275.5	11.8	380	1	US-08-153-848-40	ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
14	272.5	11.7	380	3	US-09-299-843A-40	STREET: 400 Seventh Street
15	272.5	11.7	380	5	PCT-US93-1115-40	CITY: Washington
16	264.5	11.3	444	4	US-09-119-788-2	STATE: D.C.
17	258	11.1	346	4	US-09-199-737-5	COUNTRY: USA
18	258	11.1	4	US-08-99-088A-3	ZIP: 20004	
19	257	11.0	349	3	US-08-513-974B-343	COMPUTER READABLE FORM:
20	254	10.9	348	3	US-08-513-974B-46	MEDIUM TYPE: Floppy disk
21	254	10.9	348	3	US-08-513-974B-342	COMPUTER: IBM PC compatible
22	254	10.9	348	3	US-08-513-974B-342	OPERATING SYSTEM: PC-DOS/MS-DOS
23	254	10.9	348	4	US-08-993-088A-10	SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
24	254	10.9	348	4	US-08-993-088A-10	CURRENT APPLICATION DATA:
25	250.5	10.7	428	1	US-07-816-283-12	APPLICATION NUMBER: US/08/858,876A
26	250.5	10.7	428	1	US-07-417-103-2	FILING DATE: 19-SEP-1997
27	250	10.7	428	1	US-07-417-103-2	CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Player, William E.

REGISTRATION NUMBER: 31.049

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 416 amino acids

TYPE: amino acid

TOPOLGY: linear

MOLECULE TYPE: protein

US-08-858-876A-4

Query Match Score 419; DB 3; Length 416;

Best Local Similarity 28.0%; Score: No. 3 5e-33; Mismatches 145; Indels 50; Gaps 8;

Matches 104; Conservative 73; Sequence 343, AppI

Sequence 46, AppI

Sequence 342, AppI

Sequence 10, AppI

Sequence 12, AppI

Sequence 12, AppI

Sequence 11, AppI

Db 30 WAKVLTALYSLIFAGTGNALSVHV-VLRAGRGRRLVHVLSLALSALILVSM 87

QY 88 PMEFYSSITWNPLTSSYTSLCKLHTFLFEACSYATLHVLTLSFERRYTAICHPERYKAVS 147  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 88 PMELYNFVWSPHPWVFGDLGCRCGYYVRELCATVATLVSASLAERCLAVCQPLRARRL 147  
 QY 148 GPCQVKLILIGFVWVTLVALWALPALLEMGTEPLVNPSPHRLTCRSSTRHHECTSM 207  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 148 TPRTRRLLSLWVVALPMAVINGQKH--EVESADG-----EPEPAS- 191  
 QY 208 SICTMUSSRWTV--FOSSIFGAFVWVNLVLLSVAFCWMCWNMMQL----- 249  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 192 RVCTVLSRATLQFVQVNLVLLSVAFCWMCWNMMQL----- 251  
 QY 297 MNQIRRIMAAAKPKHDWTRSYFRAYMILPSETTYFLSSVINPLIYTWSQQRVFW 356  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 311 LPYHARRMLMYCIPDGWTNELYDFYHYFWVNTFLFYVSSAVIPLYNAVSSSPRKFL 370  
 QY 357 QVLCRRLSLQHA 368  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 371 ESLGSLCQEHS 382

RESULT 2  
 US-09-472-880-4  
 ; Sequence 4, Application US/09472880  
 ; Patent No. 6214333

GENERAL INFORMATION:  
 APPLICANT: Daniel CAPUT  
 Pascalle CHALON  
 Pascual FERRARA  
 Vita NATALIO

TITLE OF INVENTION: Type 2 Neurotensin Receptor  
 (hNT-R2)

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC  
 STREET: 400 Seventh Street  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20004

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/472, 880  
 FILING DATE: 28-Dec-1999  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR 9723204  
 FILING DATE: 17-MAR-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Player, William E.  
 REGISTRATION NUMBER: 31,049

INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 416 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-09-472-880-4

Query Match 18.0%; Score 419; DB 4; Length 416;  
 Best Local Similarity 28.0%; Pred. No. 3.5e-33;  
 Matches 104; Conservative 73; Mismatches 145; Indels 50; Gaps 8;

QY 28 WIKILILYVLIIFVGMGLGNSATRVQVQLOKKGYLOKEVTDHMSLACSDILVELIGM 87  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 30 WAKVLTAAKSYLIFAGFTAGNAASVHV--VLKURAGRPGRLRYHVLSLALSALLLIVS 87  
 QY 88 PMELYNFVWSPHPWVFGDLGCRCGYYVRELCATVATLVSASLAERCLAVCQPLRARRL 147  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 88 PMELYNFVWSPHPWVFGDLGCRCGYYVRELCATVATLVSASLAERCLAVCQPLRARRL 147  
 QY 148 GPCQVKLILIGFVWVNLVLLSVAFCWMCWNMMQL----- 251  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 148 TPRTRRLLSLWVVALPMAVINGQKH--EVESADG-----EPEPAS- 191  
 QY 208 SICTMUSSRWTV--FOSSIFGAFVWVNLVLLSVAFCWMCWNMMQL----- 249  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 192 RVCTVLSRATLQFVQVNLVLLSVAFCWMCWNMMQL----- 251  
 QY 297 MNQIRRIMAAAKPKHDWTRSYFRAYMILPSETTYFLSSVINPLIYTWSQQRVFW 356  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 311 LPYHARRMLMYCIPDGWTNELYDFYHYFWVNTFLFYVSSAVIPLYNAVSSSPRKFL 370  
 QY 357 QVLCRRLSLQHA 368  
 ||| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :| :|  
 Db 371 ESLGSLCQEHS 382

RESULT 3  
 US-08-858-876A-2  
 ; Sequence 2, Application US/088858876A  
 ; Patent No. 6022056

GENERAL INFORMATION:  
 APPLICANT: Daniel CAPUT  
 Pascalle CHALON  
 Pascual FERRARA  
 Vita NATALIO

TITLE OF INVENTION: Type 2 Neurotensin Receptor  
 (hNT-R2)

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC  
 STREET: 400 Seventh Street  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20004

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/858, 876A  
 FILING DATE: 19-SEP-1997  
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: PCT/FR 9723204  
 FILING DATE: 17-MAR-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Player, William E.  
 REGISTRATION NUMBER: 31,049

INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 410 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-858-876A-2



INFORMATION FOR SEQ ID NO: 45:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 353 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-118-270-45

Query Match 17.3%; Score 403.5; DB 1; Length 353;  
 Best Local Similarity 31.3%; Pred. No. 9.3e-32;  
 Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;  
 QY 30 KITLILVYLIFVQMGILGSNTATRVTOVLOKKGY--LOKEVTDHMSLACSDILVFLIGM 87  
 Db 1 KVLYTAYLALFVVGTVGNSVT-AFTLARKKSLQSLQSTVHHLSSLAISDLILW- 56  
 QY 88 PMEFSYSSIW-NPLTTSYTSYLCKLHFPLFRCSYATLHVLTSPERYTACHPFYKAV 146  
 Db 57 -VELYNFTWHPWAFFD--AGCRRGYFLRDXTATLAVNLASLVSERYLAICHPFKAKTL 113  
 QY 147 SGPCQVKLIGFWWVMSALVALPFLAMGCEPYPLVNVPSPHRLGTCNRSSTRHHQPEPSN 206  
 Db 114 MRSRTRKKTSIAWLASALLAPMFLTGQ-----NRSGDGT 154  
 QY 207 MSICTNLSSRWT--VFQSSISGAFAVYLVVLLSVAFMCWNMMQVLM--KSOKGSLAGGT 261  
 Db 155 GLVCTPIVDATKVKVQVNTMSELFPMVISTINTVIANKLTVWQHQAEGQRVCTVG 214  
 QY 262 RPPOLRKSS--ESEEST-ARQQTIFLRLTVTFLAVCMNPOIRRIMAAAKPKHDWTR 316  
 Db 215 THNGLEHSTFNMRERGRVQALRHGVVLVRAVTVAFWVWCWLP---YLCYISDEQWRT 268  
 QY 317 SYRAYMILLPSETTEFLVSSVINYLTVSSQFRFVQVLLC 361  
 Db 269 FLFDFYHYFVMLNHALFYVSSAINTPLYNLVSANFRQVFLSTLAC 313

RESULT 6

PCT-US93-08528-45  
 Sequence 45, Application PC/TUS9308528

## GENERAL INFORMATION:

APPLICANT: New York University  
 TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF

## NUMBER OF SEQUENCES: 348

## CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street, N.W., Suite 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA

## ZIP: 20004

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT-US93/08528  
 FILING DATE: 09-SEP-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/943, 236  
 FILING DATE: 10-SEP-1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Townsend, Kevin G.  
 REFERENCE/DOCKET NUMBER: MURPHY=2 PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-628-5197  
 TELEFAX: 202-737-3528  
 TELEX: 248033

INFORMATION FOR SEQ ID NO: 45:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 353 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 PCT-US93-08528-45

Query Match 17.3%; Score 403.5; DB 5; Length 353;  
 Best Local Similarity 31.3%; Pred. No. 9.3e-32;  
 Matches 108; Conservative 59; Mismatches 133; Indels 45; Gaps 12;  
 QY 30 KITLILVYLIFVQMGILGSNTATRVTOVLOKKGY--LOKEVTDHMSLACSDILVFLIGM 87  
 Db 1 KVLYTAYLALFVVGTVGNSVT-AFTLARKKSLQSLQSTVHHLSSLAISDLILW- 56  
 QY 88 PMEFSYSSIW-NPLTTSYTSYLCKLHFPLFRCSYATLHVLTSPERYTACHPFYKAV 146  
 Db 57 -VELYNFTWHPWAFFD--AGCRRGYFLRDXTATLAVNLASLVSERYLAICHPFKAKTL 113  
 QY 147 SGPCQVKLIGFWWVMSALVALPFLAMGCEPYPLVNVPSPHRLGTCNRSSTRHHQPEPSN 206  
 Db 114 MRSRTRKKTSIAWLASALLAPMFLTGQ-----NRSGDGT 154  
 QY 207 MSICTNLSSRWT--VFQSSISGAFAVYLVVLLSVAFMCWNMMQVLM--KSOKGSLAGGT 261  
 Db 155 GLVCTPIVDATKVKVQVNTMSELFPMVISTINTVIANKLTVWQHQAEGQRVCTVG 214  
 QY 262 RPPOLRKSS--ESEEST-ARQQTIFLRLTVTFLAVCMNPOIRRIMAAAKPKHDWTR 316  
 Db 215 THNGLEHSTFNMRERGRVQALRHGVVLVRAVTVAFWVWCWLP---YLCYISDEQWRT 268  
 QY 317 SYRAYMILLPSETTEFLVSSVINYLTVSSQFRFVQVLLC 361  
 Db 269 FLFDFYHYFVMLNHALFYVSSAINTPLYNLVSANFRQVFLSTLAC 313

RESULT 7

US-08-832-399-2  
 Sequence 2, Application US/08832399

## GENERAL INFORMATION:

APPLICANT: Bergsma, Derk  
 APPLICANT: Shabot, Usman  
 TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2

## NUMBER OF SEQUENCES: 12

## CORRESPONDENCE ADDRESS:

ADDRESSEE: SmithKline Beecham Corporation  
 STREET: 709 Swedeland Road  
 CITY: King of Prussia  
 STATE: PA  
 COUNTRY: PA

## ZIP: 19406

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08832399  
 FILING DATE: 02-APR-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 435  
 FILING DATE: 02-APR-1997

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: King, William T.  
 REFERENCE/DOCKET NUMBER: 30, 954  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 610-270-5515





INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 361 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: protein

US-09-077-675A-8

Query Match 12.8%; Score 299; DB 4; Length 361; Best Local Similarity 27.8%; Pred. No. 1.8e-21; Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

QY 40 IFWMGLIGNSATIVTQVQLOKKYIQLQEVTDHMSLACSDILVFLIGMPMEFYSTIWNPL 99

Db 48 LFVVGIGNLNLMLVSRERE--LRTTNYLSSMADSLLIFLC-MPLDLVR-LWQYR 102

QY 100 TASSYTISCKLHTPLFLFRCSYATLHLVLTLSFRYIAICHPFRYKAVSGPQCVKLLIGFV 159

Db 103 PWNGFDLCKLQFVSSCTYVTLTIALSVERVYFAICFLRAKVVTGKRVKLVFI 162

QY 160 WVTSAVALPLPFLAMGTEPYLNVNPNSRHLGTCNRSSTRHQPETSNSMISCTNLSR-- 216

Db 163 WAVFCAGPPIFLVGVH-----ENGPDPWDNECRPTEFAVRGL 204

QY 217 -WTVFQSSISFGAFVWY-LVLLLSVAFMCWNMMQVLMKSOKSLAGGTRPQLRSEEE 273

Db 225 LTVWVWVWSISFFPLPVCLTVLVL-----IGRKLMRRRGDAVGA--SLRDQN-- 252

QY 274 SRTARROTIFLRLTVTAVCWMNQIRRIMAAKPKHDWTRSY-----FRAYMI 324

Db 253 ---HKQTVKMLAVVVFPLCWLPHVGRYL-----FSKSFEPGSLEIAQISQCN 300

QY 325 LLPFSEFVYLSVINVPLTVTSSQDFRRVFWQL 359

Db 301 LVSF--VLFYLSRAINPLILYNNMSKKYRAVFRLL 333

RESULT 12

US-09-077-675A-13

Patent No. 6242199

GENERAL INFORMATION:

APPLICANT: Pai, Lee-yuh

APPLICANT: Feighner, Scott C.

APPLICANT: Howard, Andrew D.

APPLICANT: Pong, Sheng-Shung

APPLICANT: Van Der Ploeg, Leonardus H.T.

TITLE OF INVENTION: RECEPTOR ASSAY

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.

STREET: P.O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065-0900

COMPUTER READABLE FORM:

COMPUTER: IBM compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09-077,675A

FILING DATE: 3-JUN-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Coccuzzo, Anna L.

REGISTRATION NUMBER: 42,452

REFERENCE/DOCKET NUMBER: 19590P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-1273

TELEFAX: 732-594-4720

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 366 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: protein

US-09-077-675A-13

Query Match 12.8%; Score 299; DB 4; Length 366; Best Local Similarity 27.8%; Pred. No. 1.9e-21; Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;

QY 40 IFWMGLIGNSATIVTQVQLOKKYIQLQEVTDHMSLACSDILVFLIGMPMEFYSTIWNPL 99

Db 53 LFVVGIAGNLNLMLVSRERE--LRTTNYLSSMADSLLIFLC-MPLDLVR-LWQYR 107

QY 100 TASSYTISCKLHTPLFLFRCSYATLHLVLTLSFRYIAICHPFRYKAVSGPQCVKLLIGFV 159

Db 108 PWNGFDLCKLQFVSSCTYVTLTIALSVERVYFAICFLRAKVVTGKRVKLVFI 167

QY 160 WVTSAVALPLPFLAMGTEPYLNVNPNSRHLGTCNRSSTRHQPETSNSMISCTNLSR-- 216

Db 168 WAVACSGAGPPIFLVGVH-----ENGPDPWDNECRPTEFAVRGL 209

QY 217 -WTVFQSSISFGAFVWY-LVLLLSVAFMCWNMMQVLMKSOKSLAGGTRPQLRSEEE 273

Db 210 LTVWVWVWSISFFPLPVCLTVLVL-----IGRKLMRRRGDAVGA--SLRDQN-- 257

QY 274 SRTARROTIFLRLTVTAVCWMNQIRRIMAAKPKHDWTRSY-----FRAYMI 324

Db 258 ---HKQTVKMLAVVVFPLCWLPHVGRYL-----FSKSFEPGSLEIAQISQCN 305

QY 325 LLPFSEFVYLSVINVPLTVTSSQDFRRVFWQL 359

Db 306 LVSF--VLFYLSRAINPLILYNNMSKKYRAVFRLL 338

RESULT 13

US-09-077-675A-2

Sequence 2, Application US/09077675A

Patent No. 6242199

GENERAL INFORMATION:

APPLICANT: Pai, Lee-yuh

APPLICANT: Feighner, Scott C.

APPLICANT: Howard, Andrew D.

APPLICANT: Pong, Sheng-Shung

APPLICANT: Van Der Ploeg, Leonardus H.T.

TITLE OF INVENTION: RECEPTOR ASSAY

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.

STREET: P.O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065-0900

COMPUTER READABLE FORM:

COMPUTER: IBM compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/077,675A

FILING DATE: 3-JUN-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US-09-077-675A-2  
 FILING DATE: 07-07-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: COCUZO, Anna L.  
 REGISTRATION NUMBER: 42,452  
 REFERENCE/DOCKET NUMBER: 19590P  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 732-594-1273  
 TELEX: 732-594-4720  
 FAX: 732-594-4720

INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 302 amino acids  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-09-077-675A-2

Query Match

Best Local Similarity 12.3%; Score 287.5; DB 4; Length 302;  
 Matches 83; Conservative 59; Mismatches 114; Indels 35; Gaps 10;

Qy 71 HMVSLACSDILVFLIGMPMEYISIWINPLTSSYTLCKHTEFLFEACSYATLHLVTLIS 130  
 Db 17 YLSSMAFSDSLIFLC-MPLDLVR-LWQYRWPWNGLICKLQFQVSSECTYATVLTIALS 74  
 Qy 131 FERYTAICHPRYKAVSGPCQVLLGFWVWTSAVALPLFAMGTEYPLVNPSHRLT 190  
 Db 75 VERYTAICPPLRKAQVWTKGRKVLYVIFWVAVAFCSAGPIFLVGVH----- 123  
 Qy 191 CNRSSTRHHEOPETSMSMISCTNLSSHTWFOSSIGAFVVY-LVVLISVAFMCNMAMQVL 249  
 Db 124 -NGTDRDPTNECRATEFAVRSGLIT-WMVWSSVFFLPVCLTVLISL-----IGRKL 175  
 Qy 250 MKSOKSLAGTTRPQLRKSESEESRTARQQTFLRLVWVTLAVCWMQPIRIRMAAK 309  
 Db 176 WRKRKGAAVGS--SLRDQN-----HKQTVKMLAVVFAFLCWLPPFHGRYLFSKS 225  
 Qy 310 PKHDWTR-SYFRAIMLIPSETFYLLSVINPLIYVSSQQFRVFWQVL 359  
 Db 226 LEPGSVETIAOISOCYCNLVSF--VLFVLSAAINPILYNTMSKKYRAVKLL 274

RESULT 14

US-09-077-675A-7

Query Match

Best Local Similarity 28.5%; Pred. No. 2e-20; Mismatches 114; Indels 35; Gaps 10;

Matches 83; Conservative 59; Mismatches 114; Indels 35; Gaps 10;

Qy 71 HMVSLACSDILVFLIGMPMEYISIWINPLTSSYTLCKHTEFLFEACSYATLHLVTLIS 130  
 Db 17 YLSSMAFSDSLIFLC-MPLDLVR-LWQYRWPWNGLICKLQFQVSSECTYATVLTIALS 74

Qy 131 FERYTAICHPRYKAVSGPCQVLLGFWVWTSAVALPLFAMGTEYPLVNPSHRLT 190  
 Db 75 VERYTAICPPLRKAQVWTKGRKVLYVIFWVAVAFCSAGPIFLVGVH----- 123  
 Qy 191 CNRSSTRHHEOPETSMSMISCTNLSSHTWFOSSIGAFVVY-LVVLISVAFMCNMAMQVL 249  
 Db 124 -NGTDRDPTNECRATEFAVRSGLIT-WMVWSSVFFLPVCLTVLISL-----IGRKL 175  
 Qy 245 MMQVLMKSOKSLAGTTRPQLRKSESEESRTARQQTFLRLVWVTLAVCWMQPIRIRMAAK 309  
 Db 171 IGRKLWRRRGDAVGA--SLRDQN-----HKQTVKMLAVVFAFLCWLPPFHGRY 220

Qy 305 MAAAKPKHDWTRSY-----FRAMILLIPSETFYLLSVINPLIYVSSQQFRVFW 359  
 Db 221 L-----FSKFFERGSLEIAQISOCYCNLVSF--VLFVLSAAINPILYNTMSKKYRAV 270  
 Qy 356 VQVL 359  
 Db 271 FRLL 274

RESULT 15

US-09-153-848-40

Sequence 40; Application US/08153848  
 ; Patent No. 5759804

GENERAL INFORMATION:

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APPLICANT: Gray, Patrick W.

APPLICANT: Schwekart, Vicki L.

TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors

NUMBER OF SEQUENCES: 64

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ADDRESSEE: Bicknell

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CITY: Chicago

STATE: Illinois

COUNTRY: USA

ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
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INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 302 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-09-077-675A-7

Query Match

Best Local Similarity 11.8%; Score 275.5; DB 4; Length 302;  
 Matches 85; Conservative 53; Mismatches 105; Indels 61; Gaps 11;

Qy 71 HMVSLACSDILVFLIGMPMEYISIWINPLTSSYTLCKHTEFLFEACSYATLHLVTLIS 130  
 Db 17 YLSSMAFSDSLIFLC-MPLDLVR-LWQYRWPWNGLICKLQFQVSSECTYATVLTIALS 74  
 Qy 131 FERYTAICHPRYKAVSGPCQVLLGFWVWTSAVALPLFAMGTEYPLVNPSHRLT 190  
 Db 75 VERYTAICPPLRKAQVWTKGRKVLYVIFWVAVAFCSAGPIFLVGVH----- 122  
 Qy 191 CNRSSTRHHEOPETSMSMISCTNLSSHTWFOSSIGAFVVY-LVVLISVAFMCNMAMQVL 249  
 Db 123 --ENQTDPMWNECRATEFAVRSGLIT-WMVWSSVFFLPVCLTVLISL----- 170  
 Qy 245 MMQVLMKSOKSLAGTTRPQLRKSESEESRTARQQTFLRLVWVTLAVCWMQPIRIRMAAK 309  
 Db 171 IGRKLWRRRGDAVGA--SLRDQN-----HKQTVKMLAVVFAFLCWLPPFHGRY 220  
 Qy 305 MAAAKPKHDWTRSY-----FRAMILLIPSETFYLLSVINPLIYVSSQQFRVFW 359  
 Db 221 L-----FSKFFERGSLEIAQISOCYCNLVSF--VLFVLSAAINPILYNTMSKKYRAV 270  
 Qy 356 VQVL 359  
 Db 271 FRLL 274

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/153,848  
 FILING DATE: 17-NOV-1992  
 CLASSIFICATION: 514  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 07/977,452  
 FILING DATE: 17-NOV-1992  
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 INFORMATION FOR SEQ ID NO: 40:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 380 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 USE: 153-848-40

Query Match Score 272.5; DB 1; Length 380;  
 Best Local Similarity 24.6%; Pred. No. 8ee-19;  
 Matches 91; Conservative 62; Mismatches 154; Indels 63; Gaps 14;  
 Qy 8 GSDCSQOIDSHVPHVPEEVATWIKITLIL--VYLIFVMGLGNSATIRVQVQKKGYIQ 65  
 Db 4 GGFDFDNYYGADNQSCFCEYTWKSSGALIAPAIMVFLFGTGNGLV 61  
 Qy 66 KEVTDHMSLACSDTIVFLIGMPMFFYSITIWNPLTTSSY----TLSCKLHTEFECASY 120  
 Db 62 RSADIFFIASLAVAD-LTFWVTLPL---LWATVTYRDWMPFGTFCKLSSYLIFVNNY 114  
 Qy 121 ATLLHWLTSFERYIAICHP----FRYKAVSGCQVKLIGFWWTSALVAPLFFAMG 175  
 Db 115 ASVFCGLTGJLUSFDRLVAVPANARLR-VSGAVATVL---WVIAALLAMPVM-VLR 168  
 Qy 176 TEYPLVNPSPHRGLTCNRSSTRHEQPETSNMSCTNUSSRWT---WFQSSIFGAFVY 231  
 Db 169 TTGDLLENTK---VOC-----YMDSYNATVSSEWEVWGLGVSSITVGFVVP 213  
 Qy 232 LVLILSVAFCWNNMAMQVLMKSQKSLASGSTRPPOLRKSESEESRTARROTIFLRLVWT 291  
 Db 214 FTIMLTCYFFI-----AQTIAGHER----KERIEGLRKRRRLSIIWVWWT 256  
 Qy 292 LAVQWMPNQIIRRMAAKPKHDWTRSYRAYMILLPPSETFFVLLSSVNPFLYTVSSQF 351  
 Db 257 FALCWMPPYLVKTLMLGSSLHWPCCDFDLFLMNNIFPVCTCISVNSCLNPFLYAFFPFR 316  
 Qy 352 RRVFVQVLCC 361  
 Db 317 RQACTSMICCC 326

Search completed: January 8, 2002, 23:04:07  
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